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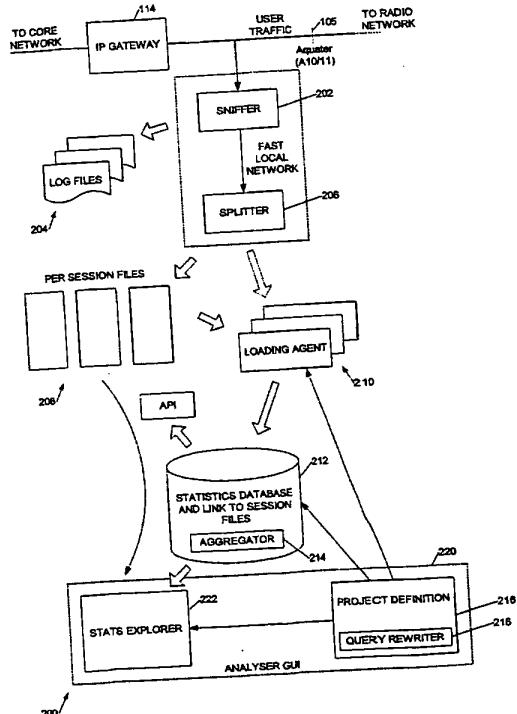
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(54) Title: MONITORING SYSTEM FOR A MOBILE COMMUNICATION NETWORK FOR TRAFFIC ANALYSIS USING A HIERARCHIAL APPROACH

(57) Abstract: This invention generally relates to systems, methods and computer program code for monitoring digital mobile communications networks, in particular digital mobile phone networks, for purposes such as a test, trouble shooting, and evaluation of a network and its usage. A method of processing digital mobile communications network data for analysis, the method comprising: inputting network data captured from a digital mobile communications network, said network data comprising data for a plurality of communications sessions over said network, said network data including a plurality of session related parameters; inputting query data for one or more queries, a query defining a statistic relating to one or more of said parameters and to be computed from said network data; formatting a said query to define said statistic in terms of one or more intermediate statistics relating to said one or more parameters and to be computed from said network data, said statistic being computable from one or more sets of said one or more intermediate statistics; operating with said formatted query on said captured network data to determine said one or more intermediate statistics; storing said intermediate statistics in a data store for analysis.

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